



Aerial Delivery and **Field** Services Malfunction Investigating and Reporting





Services
Terminal Learning Objective
In a class room environment each student

must

know the qualifications, duties, and responsibilities of a Malfunction Officer/NCO IAW AR-59-4/AFJ 13-210(I)/OPNAVINST 4630.24C/

MCO 13480.1B





Aerial Delivery and Field Services

Terminal Learning Objective (cont)
In a class room environment each student will

In a class room environment each student will be able to perform the duties, and responsibilities of a Malfunction Officer/NCO IAW AR-59-4/AFJ 13-210(I)/OPNAVINST 4630.24C/ MCO 13480.1B





References S

- AR 59-4/AFJ ft3-210(I)/OPNAVINST 4630.24D/MeO 13480.1C! Joint Airdrop Inspection Records, Malfunction Investigations, and Activity Reporting
- FM 4-20.102/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010/TO 137C7-1-5 : Airdrop Platforms
- AR 750-32: Airdrop, Parachute Recovery, and Aircraft Personnel Escape Systems
- FM 3-21.220/MCWP 3-15.7/AFMAN 11-420/NAVSEA SS400-AF-MMO-010: Static Line Parachuting Techniques and Training













Aerial Delivery and Field Services Department

Environmental Considerations





Purpose of the Malfunction Demoetrment

In all <u>incidents or malfunctions</u> the Malfunction Officer/NCO will immediately conduct an on-site investigation to determine, if possible, the cause(s) and to protect the physical evidence which is extremely perishable





Priority of a Malfanction

The investigation of the parachute and equipment malfunctions/incidents shall receive the highest priority, secondary only to medical aid for the injured. It shall supersede all other aspects of the operation, including any tactical exercise planned in conjunction with the airborne operation





Aerial Delivery and Field Services Department

The Malfunction Officer/NCO







Qualifications of the Malfunction Army Qualification Negurements

Malfunction Officer/NCO shall be:

- An Officer, Warrant Officer or NCO (minimum 92RA9 grade of E-5)
- A trained Parachute Rigger (92R, 921A or 92AR9) IAW AR 750-32
- Familiar with the airdrop equipment being utilized



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Qualifications of The Malfunction Officer/NCO Departments (cont)

Malfunction Officer/NCO must be qualified for: Static line personnel parachutes not including Ram Air

Personnel Parachute System (RAPPS)

- Pack-in-process inspector certified
- Malfunction Officer trained and certified





Qualifications SETNECES function SETNECES

<u>Army Qualification Requirements (cont)</u>
RAPPS (to include static line deployed RAPPS if applicable)

- Pack-in-process inspector certified
- Malfunction Officer trained and certified





Qualifications SetNeGalfunction DeficartMeent

Army Qualification Requirements (cont)

Ram air cargo (RAC) airdrop

- Pack-in-process inspector certified
- Malfunction Officer trained and certified
- RAC trained and certified (if applicable)





Qualifications SETNECASIfunction SETNECASIfunction

Army Qualification Requirements (cont)

Cargo Airdrop

- JAI trained and certified (not required for door bundles)
- Malfunction Officer trained and certified







Qualifications | QEThe Malfunction | Malfunction | Other Malfunction | Other Medication | Other Malfunction | Other Malfu

- Malfunction Officers will be trained and certified in accordance with the power point presentation and lesson plans provided by the USAQMC&S
- Individuals will be retrained and recertified annually
- Training/certification records will be maintained on file at the unit level
- The organization that provides the parachutes will provide the Malfunction Officer







Qualifications & Majfunction Army Qualification Requirements (cont)

Exception:

- The MO qualifications may be waived to an MOS 92R1P(E-4 only) when recommended by the parachute rigger warrant officer (MOS 921A) in charge of that organization or other authorized unit supervisors in accordance with AR-750-32
- Qualified and authorized E-4 MOs will be limited to single ship missions only
- **Army National Guard and U.S. Army Reserve personnel** meeting above requirements are considered qualified MOs as civilian technicians







Qualifications jet The Malfunction Malfunction Departments

Malfunction Officer/NCO shall be:

- Minimum grade of E-4 and hold an Air Force Specialty Code (AFSC) of 1A2X1, 2T2X1 or 2A7X4
- Attend the Airdrop Load Inspector Certification Course
- Attend a Joint Airdrop Inspector (JAI)
 refresher course annually and be designated,
 in writing, by the unit commander





Qualifications of the Malfunction Malfunction Departments (cont)

- For Air National Guard units, AFSC 1C2X1 and 1T2X1 personnel may also perform duties
- For Air Force Special Operations Command, Special Tactics Squadron, Parachute Rescue, Special Operations Weather Team unilateral operations, the drop zone (DZ) controller may be designated as the Malfunction Officer if an Air Force JAI is not available





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Malfunction Officer/NCO shall be:

 A Parachute Rigger NCO, (E4) or above, or a Jumpmaster qualified E-5 or above, and will be appointed, in writing, by the Commanding Officer





Qualifications Set Wices Internation Officer MAGO (Ent)

Marine Corps Qualification Requirements

Malfunction Officer/NCO shall be:

- A Parachute Rigger NCO, E4 or above, or Jumpmaster qualified E5 or above, and must be appointed in writing by the Commanding Officer
- Must receive unit level refresher training annually
- Will be from the organization that provides the air items





Duties vinces Responsibilities Routine Procedures United

- Receive a briefing from the Parachute Rigging Facility (PRF) before assuming duties as the Malfunction Officer/NCO
- Review AR 59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C and unit Standard Operating Procedures prior to conducting duties







Duties and Respensibilities (Cont)

Routine Procedimes (Comes nt

- Coordinate with the DZ party
- Check malfunction kit for minimum required equipment
- Coordinate transportation and communication requirements





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Minimum Required Equipment 14W AR 59-4/AFJ 13-10(I)/OPNAVINST 4630.24D/MCO 13480C

- Communication capability with the DZ Control Party
- Binoculars or night vision devices
- Transportation to move around the DZ
- A good quality camera (video camera preferred)
- Clerical supplies necessary for tagging equipment, taking statements, and initiating reports





Minimum Requered Equipment

Minimum Required Equipment AWN AR 59-4/AFJ 13-10(I)/OPNAVINST 4630.24D/MCO 13480C (Cont)

- An approved wind meter
- Applicable DZ survey





Mal services

- *A copy of AFFICAL AGO.1C PROPERTY AGO.24D/MCO 13480.1C
- **X** DD Form 1748-2 (Airdrop Malfunction Report)
- **⊁ DA Form 3161 (Temporary Hand Receipt)**
 - Joint Services use equivalent forms
- DA Form 2823 (Sworn Statement Form)
 - Joint Services use equivalent forms
- Latex gloves, plastic bags, plastic tarps





- · Engineer tape with stakes nt
- Measuring tape





Definition is the second of th

A malfunction is defined as <u>"the failure of an airdrop item or component of an airdrop system to function as it was intended or designed,"</u> whether the equipment failed due to human error, material failure or emergency procedures used





Keyetines

- Partial Malfunction properly to the point that the load or parachutist is subject to damage or injury
- <u>Total Malfunction:</u> The complete failure of the airdrop system to function as designed
- Airdrop Incident: Procedure which prevented the successful completion of any planned airdrop operation





Key Terms/(Cest)

- Chain-of-Custody Anchronological written record of people who have had custody of evidence from the initial acquisition until final disposition
- On-site Investigation: Performed by the Malfunction Officer to collect data used to determine the cause of the malfunction
- Follow-On Investigation: Normally conducted by a board appointed under the appropriate regulation of the service involved





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- Question: Whaterthe meiginum required equipment AND ARTS 4630.24D/MCO
- 1848 Our Gazion capability with the DZ Control Party
- Binoculars or night vision devices
- Transportation to move on the DZ
- A good quality camera (video camera preferred
- Clerical supplies
- Approved wind meter
- Applicable DZ survey



used

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Question: What is the definition of a malfunction? epartment

- A malfunction is defined as <u>"the failure</u> of an
- <u>airdrop item or component of an airdrop</u> <u>system</u>
- to function as it was intended or designed,"
- whether the equipment failed due to human error,

material failure or emergency procedures





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Break





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Proced men anti-Malfunction Investigations Involving No Serious
Injuries IAW AR-59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C





Malfunction Malfunction Procedures No Serious Injuries

Conduct a complete on-site investigation of the malfunction IAW AR-59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C Chapter 3-2b. and Appendix

B, Section B-4a





Malfunction Malfunction Procedures No Serious Injuries Notify the PRF that produced the

- parachutes
- Ensure the Subject Matter Expert (SME) is asked for to assist the Malfunction Officer/NCO





Malfunction Malfunction Procedures No Serious Injuries (Cont)

- Secure the impact site
- Photograph all equipment and obvious defects, to include any damage caused by impact
- Sketch the impact site and show equipment relationships and exact location of impact site in relation to the DZ



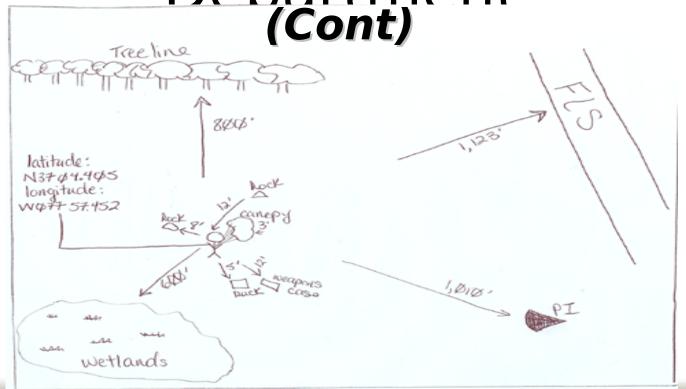


Malfunction The Stigation Procedures No Serious Injuries DZ Sketch Informatio (Cont)

- **DZSO name, rank, location on the DZ**
- Assistant DZSO name, rank, location on the DZ
- **Malfunction Officer name, rank, location on** the DZ
- Assistant Malfunction Officer name, rank, location on the DZ
- Impact point using grid coordinates
- **Direction of flight**
- Wind direction and speed













Malfunction Malfunction Procedures No Serious Injuries Obtain statements (COM!)

- Preceding jumpers
- Subsequent jumpers
- Jumpmasters
- Safeties
- Ground observers, DZ party, other jumpers, etc
- Aircraft personnel (if possible)





Malfunction Malfunction Procedures No Serious Injuries (Cont)

Procedures:

- Gather equipment, air items, and personal property involved in the malfunction. In addition gather all necessary clothing as soon as possible
- A hand receipt may be needed for accountability of confiscated equipment





Malfunction Investigation Procedures No Serious Injuries

- Tag all items with date, QMA, location, type of incident, name, and unit of person involved
- The Malfunction Officer/NCO is responsible for maintaining the <u>"chain of custody"</u> for evidence
- Examine equipment <u>component-by-component</u>
- Conduct a TM 10-1670/TO 14D1-2 series/NAVAIR/NAVSEA series/rigger-type inspection in an appropriate area on all air items





Malfunction Investigation Procedures No Serious Injuries Ensure all air items and Evidence is retained

- Ensure all air items and evidence is retained until the investigating authority releases them
- Release equipment not required for further investigation







Malfunction Malfunction Procedures No Serious Injuries During an investigation personnel

<u>parachute</u>

jumps if intentional acts of tampering or sabotage is suspected:

- The DZSO will immediately notify the Military Law Enforcement Authorities
- When Law Enforcement arrives the Malfunction Officer/NCO will brief them on actions already taken and release all evidence into their custody





Malfunction Malfunction Procedures No Serious Injuries

Appendix B of AR 59-4/AFJ 13-10(I)/OPNAVINST 4630.24D/MCO 13480.1C is a checklist for personnel parachute malfunction investigations and contains guidelines for component inspection procedures





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Question: Who sible for maintaining the ftheiner custody" during a malfunction investigation?

The Malfunction Officer/NCO





Question: What What Spendix B cover? Department

 Appendix B is a checklist for Personnel Parachute Malfunctions Investigations





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Break





Services
Procedures for Malfunction
Investigations involving Serious Injuries or Death IAW AR 59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C





Malfunction Procedures Serious Injuries or Conduct a complete entire investigation of the malfunction IAW:

- AR-59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C
- Chapter 3-2c. and Appendix B, Section B-4b





Malfunction Malfunction Procedures Serious Injuries or

- Notify the Rigger Facility SME to assist the Malfunction Officer /NCO
- Ensure the DZSO immediately notifies the Military Law Enforcement Authorities
- Ensure the DZSO notifies the aircraft involved
- Immediately impound the Parachute Log Record





Malfunction Investigation Procedures Serious Injuries or Access to the Accident Scene:

- Restricted to the Malfunction Officer, the advising SME, responding Military Law Enforcement Authorities, DZSO and medical personnel
- Attempt to limit Command Personnel present and disperse on-lookers
- The Malfunction Officer will immediately initiate an on-site investigation





Malfunction Investigation Procedures Serious Injuries or On-Site Actions: Death (Cont)

These Are The First Critical Steps

- Immediately place the impact site off-limits
- Posts guards to ensure the integrity of the accident scene; ensure site remains undisturbed
- Investigation will not interfere with any required medical support







Malfunction Malfunction Procedures Serious Injuries or Obtain stateme Death: (Cont)

- Preceding jumpers
- Subsequent jumpers
- Jumpmasters
- Safeties
- Ground observers, DZ party, other jumpers, etc
- Aircraft personnel (if possible)





Malfunction Investigation Procedures Serious Injuries or On-site Action Death (Cont)

- Ensure statements include: Name, Unit and POC
- Photograph all equipment, parachutist, impact site and any obvious defects in the equipment
- Sketch the impact site





Malfunction Malfunction Procedures Serious Injuries or Death (Cont) On-site actions (cont):

- Gather and secure all clothing, equipment, air items, and personal property involved in the malfunction. Record with hand receipt for accountability and release only to the appropriate SME
- Tag all items with time, date, location, type of incident, name, and unit of person involved.







Malfunction Investigation Procedures Serious Injuries or On-site actions Death (Cont)

- Impound the parachute log record book ASAP limiting access to appointed investigative authorities
- Conduct a detailed component-bycomponent examination of all equipment after the parachutist has been evacuated







Malfunction Malfunction Procedures Serious Injuries or On-site actions Death (Cont)

- Do not remove entanglements
- Ensure equipment is tagged, parachutes are loosely rolled and bagged when the on-site investigation is complete
- Secure and release only to <u>assigned</u> investigating SME
- Request D-bags be segregated, undisturbed, and advise Safeties - Do not untangle the D-<u>bags</u>





Malfunction Malfunction Procedures Serious Injuries or Death (Cont) On-site actions (cont):

- Ensure the aircraft involved is notified as soon as possible for inspection before being reconfigured
- Secure a copy of the manifest and reconstruct the stick from manifests if needed
- Obtain the D-bag serial number from log record book and validate the D-bag by serial number





Malfunction Investigation Procedures Serious Injuries or Death (Cont) On-site actions (cont):

- Conduct a TM 10-1670/TO 14D1-2 series/NAVAIR/NAVSEA series/rigger-type inspection in an appropriate area on all air items
- Complete on-site investigation IAW AR 59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C App B





Malfunction Malfunction Malfunction Malfunction Malfunction Periods Injuries or On-site action Peath (Cont)

- If medical support determines jumper must be cut from parachute system the Malfunction Officer will assist if requested
- Record/Tag all areas of parachute system that are cut by medical personnel to distinguish from incident related damage
- Medical personnel secure/preserve all clothing and equipment removed from impact site





Malfunction Malfunction Malfunction Malfunction Malfunction Malfunction Pestigation Procedures Serious Injuries or On-site action Pestin (Cont)

- If suspected tampering/sabotage notify Military Law Enforcement Authorities
- Be prepared to brief Authorities
- If tampering/sabotage is evident investigation ceases and all findings are turned over to investigating agency
- If agency accepts findings of no tampering Malfunction Officer investigation continues





Malfunction Investigation Procedures Serious Injuries or

- All air items involved in a fatality must be secured until 90 days after completion of the investigation and submission of all reports IAW applicable regulations
 - This is done should there be any inquiries pertaining to the investigation or if for any reason any part of the investigation needs to be reopened





Aerial Delivery and Field Services Department Check on Learning





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Question: In Sahaifumation involving Department serious injury or death, what should the Malfunction Officer/NCO do with The Malfunction Officer / NCO should the pound it Parachute Log Record?





Question: AIPar Hems involved in a Department fatality must be secured for how many days after completion of the investigation and submission of **all** in case of any inquiries or any part of reportseation to be reopened





Aerial Delivery and Field Services Department **Break**





Aerial Delivery and Field Services

Proced Pentant Mathinction
Investigations Involving <u>Airdrop</u>
<u>Loads</u>
IAW AR 59-4/AFJ 13210(I)/OPNAVINST
4630.24D/MCO 13480.1C





Malfunction Malfunction Procedures Involving Airdrop Loads

Conduct a complete on-site investigation of the malfunction IAW AR-59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C Chapter 3 and Appendix B-16





Malfunction Malfunction Proceduses Involving Airdrop Loads (Cont) Appendix B

Appendix B of AR 59-4/AFJ 1310(I)/OPNAVINST
4630.24D/MCO 13480.1C is a checklist for airdrop load malfunction investigations which contains guidelines for component inspection procedures





Malfunction Malfunction Proceduses Involving Airdrop Loads (Cont)

The malfunction officer will categorize malfunctions by the phase in which they occur and also restrict the investigations to factors that could have caused or contributed to the malfunction to save time and resources.





Malfunction Malfunction Procedures Involving Airdrop Phases of Aird Pads (Cont)

- **Extraction Phase**
- **Deployment/Recovery Phase**
- Release Phase





Malfunction Malfunction Procedures Involving Airdrop Phases of Airdrop (Cont):

Extraction Phase:

 The period of time that begins with the activation of the aerial delivery system and continues until the extraction force transfers to recovery parachute deployment



Malfunction Malfunction Procedures Involving Airdrop Cont) Phases of Airdrop (Cont):

Deployment/Recovery Phase:

The period of time that begins with the transfer of force extraction to recovery parachute deployment and continues until load impact







Malfunction Malfunction Procedures Involving Airdrop Phases of Airdrop (Cont):

Release Phase:

- This phase overlaps the deployment/recovery phase, but concerns only the functioning of the release assembly
 - Starts when timer actuates
 - Continues until the load impacts the ground and parachute release occurs





Malfunction Investigation Proceduses Involving Airdrop Low Logads Aicontipads

Failure of the Extraction Parachute to Deploy or Inflate:

- Did the aircraft extraction parachute release mechanism function properly?
- Were bag closing ties correctly made and pendulum lines properly installed?
- Was the parachute safety loop free from the bent V-ring?







Malfunction Investigation Procedures Involving Airdrop Low Velocity Airdrop Loads (Cont)

Failure or Delay in the Load Extraction:

- Did the extraction parachute appear to fully inflate?
- Was positive aft restraint removed?
- Was the correct number of detents and restraints settings used for the load?





Malfunction Malfunction Procedures Involving Airdrop Loads (Cont) Low Velocity Airdrop Loads (Cont)

Failure or Delay in the Load Extraction (Cont):

- Was the correct extraction line used and connected?
- Was the platform damaged (answer only when a load did not exit)?





Malfunction Malfunction Procedures Involving Airdrop

Low Velocity Airdrop Loads (Cont)

Failure to Transfer the Extraction Force to Deployment:

- Were actuators installed in the correct platform rail position (check the arm and foot to indent clearances)?
- Were actuator arm safety pins removed and correctly stowed?



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Malfunction Investigation Procedures Involving Airdrop Low Velocity Airdrop Loads (Cont)

Failure to Transfer the Extraction Force to Deployment (cont):

- Was the EFTC cable secured or attached to the actuator and latch assembly with cable clevis pins installed?
- Was the EFTC cable the correct length and properly routed and secured?





Malfunction Malfunction Proceduses Involving Airdrop Low Vellegass (Cont)

Failure of Recovery Parachutes to Deploy:

- Was the deployment line attached to the extraction system and the parachutes?
- Was the deployment line misrouted?
- Were the parachute restraint and release straps properly attached?
- What was the condition of the release knives?







Malfunction Mestigation Proceduses Involving Airdrop

Low Velocity Androp Loads (Cont)

Static and or Release Line Systems (Dual Row Airdrop System [DRAS], Enhanced Container Delivery System [ECDS], and Door Bundles):

- Was the static line properly rigged and connected to the anchor cable?
- Was the static line properly rigged and connected to the parachute?
- Was the release line rigged and connected correctly?





Malfunction Mestigation Procedures Involving Airdrop Low Velocity Airdrop Loads (Cont)

Failure of the Suspension System:

- Did the load suspension points fail?
- Did the suspension slings or attaching hardware fail?
- Were the correct slings used?



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Malfunction Investigation Procedures Involving Airdrop Low Velocity Airdrop Low Cont. Malfunction Investigation Low Velocity Airdrop Loads (Cont.)

Failure of the Suspension System (cont):

- Were the slings correctly attached to the parachute release and the load or platform?
- Were slings correctly routed to the suspension points?
- Was protective padding used where it was required?







Malfunction Mestigation Procedures Involving Airdrop

Loads (Cont)
Low Velocity Airdrop Loads (Cont)

Failure of Recovery Parachute(s) to Fully Inflate:

- Were reefing line cutters armed and cotter pins removed?
- Did the cutters fire?
- Did the cutters cut the reefing line?







Malfunction Mestigation Procedures Involving Airdrop Low Velocity Airdrop Loads (Cont)

Failure of Recovery Parachute(s) to Fully Inflate (cont):

- Was the reefing line the proper length?
- Was the reefing line entangled in the reefing rings or suspension lines?
- Were the canopy, suspension lines, and connector link ties correctly made?



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Malfunction Malfunction Procedures Involving Airdrop

Low Velley Airdrop Posts (Cont)

Midair Release (check hydraulic releases IAW FM 4-20.102):

- At what point did the midair separation occur?
- Did the release activate prior to the load stabilizing?
- Were the releases attached to the parachutes and the load?



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Malfunction Mestigation Procedures Involving Airdrop

Low Velocity Airdion Cont. (Cont.)

Midair Release (check hydraulic releases IAW FM 4-

20.102) (cont):

- Were the releases properly rigged?
- Was the timer serviceable when tested after the drop? What deficiencies were noted (specify part, M-1 or M-2 release)?





Malfunction Malfunction Procedures Involving Airdrop

Low Velocity Airdrop Loads (Cont)

Failure to Disconnect for M-1 or M-2 Parachute

Releases:

- Did a no-load condition occur on impact?
- Did the release upper-suspension link rotate to the release position?







Malfunction Mestigation Proceduses Involving Airdrop

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Failure to Disconnect for M-1 or M-2 Parachute Releases (cont):

- Was the arming wire lanyard the correct length and was the arming wire pulled from the timer?
- Did the timer keys retract and the timer fall in the guide block?
- Was the timer serviceable when it was tested after the drop?





Malfunction Malfunction Proceduses Involving Airdrop Loads (Container Belivery Systems)

Failure of the Containers to Exit the Aircraft:

- Was the release gate properly rigged?
- Was the knife sharp and attached?
- Did the aircraft release system function properly?
- Condition of the rollers and skid board if the containers were jammed in the aircraft?





Malfunction Investigation Procedures Involving Airdrop Container Oaks (Cont)

Failure of the Recovery Parachutes to Deploy and Inflate:

- Were the parachute static lines attached to the anchor cables and were the anchor cable stops installed at the prescribed location?
- Were the parachutes attached to the containers?





Malfunction Investigation Procedures Involving Airdrop Containe @ads (Cont)

Failure of the Recovery Parachutes to Deploy and Inflate (cont):

- Were the pilot chutes attached to the cargo parachutes?
- Were the bag closing ties made with prescribed materials?
- Were the canopy and suspension line ties properly installed with prescribed material?





Aerial Delivery and Field Services Department

Check on Learning







- Question: What are three phases Department in a low velocity
- 2. Biffly Pant/Recovery
- 3. Release





Question: Where do got find the checklist for an airdrep toad malfunction?

AR 59-4/AFJ 13-210(I)/Air Force/OPNAVINST 4630.24D/MCO 13480.1C Appendix B





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Reporting Procedures For Malfunction Investigations IAW AR 59-4/AFJ 13-210(I)/OPNAVINST 4630.24D/MCO 13480.1C



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If serious injury or death results from a malfunction, an electronic mail message or telephonic message will be sent within 12 hours of the malfunction to the Director, Aerial Delivery and Field Services Department, Fort Lee, VA





Website es

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Airdrop Malfunction Report
Website and Use of Forms:
www.quartermaster.army.mil/adfsd





Fatality MalfunctionsReport Department

Once electronically/telephonically reported: One copy of the final investigation report and DD

Form 1748-2 will be forwarded to Fort Lee within 10 calendar days after completion of the fatality investigation.





Reporting Summary

Reporting Requirements summary:

- Command channel report (CDR, USAQMC&S, Ft Lee, VA)
- Electronic or telephone report (serious injury or death/12 hours)
- Quality deficiency report
- Lost time
- DD Form 1748-2, Airdrop Malfunction Report (personnel/cargo-5 days)





Aerial Delivery and Field Services Department Reporting Pocs

E-mail: atsmadfsd@lee.army.mil

If e-mail capability is not available call: DSN 687-

5370/3178 or commercial (804) 734-5370/3178





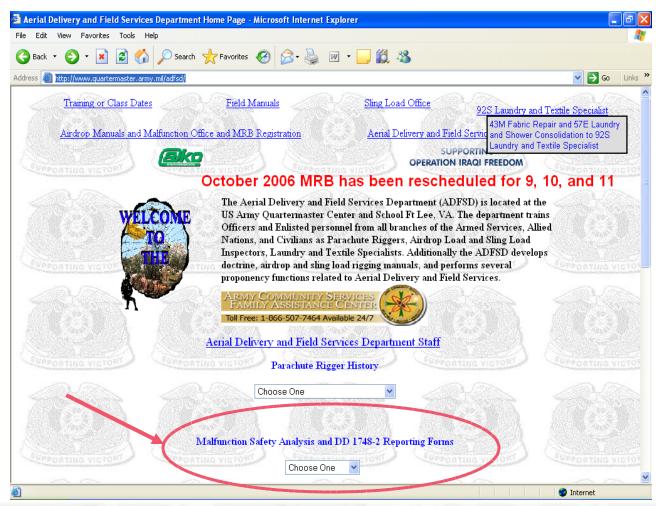
Completed Malfasction

Other than for a fairly, in a copy of the completed report will be forwarded through appropriate channels to the Director, Aerial Delivery and Field Services Department, ATTN: ATSM-ADFSD, 710 A Avenue Fort Lee, VA 23801-1502 within 5 workdays after the malfunction occurs



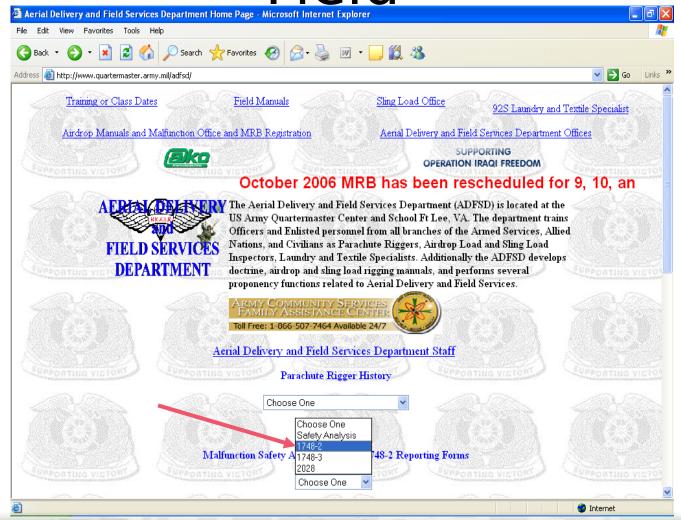






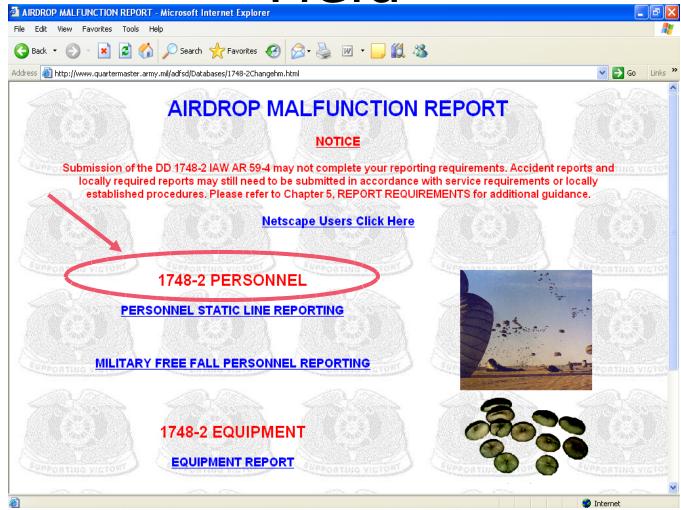












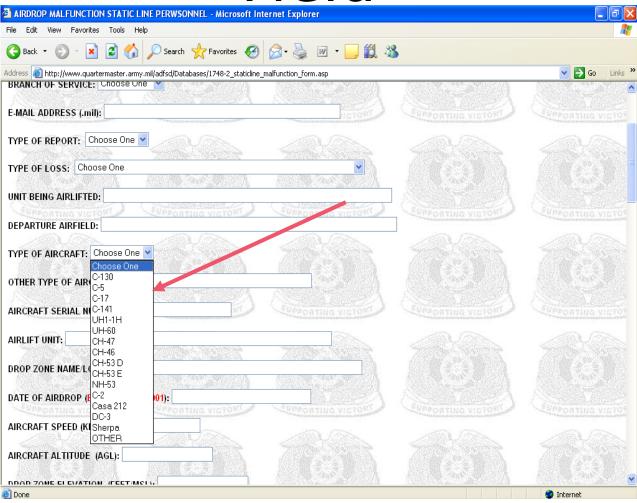




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GENERAL INFORMATION					
TO: QUARTERMAST, R CENTER AND SCHOOL, AERIAL DELIVERY AND FIELD SERVICES DEPARTMENT, AIRDROP MANUALS AND MALFUNCTION OFFICE					
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UNIT ADDRESS					
BRANCH OF SERVICE: Choose One					
E-MAIL ADDRESS (.mil):					
The production of the first control of the second of the s	TICTOVE AND ADDRESS OF THE PARTY OF THE PART	PORTING VICTORS			
TYPE OF REPORT: Choose One		7.1/			
TYPE OF Loss: Choose One	<u>~</u>				
UNIT BEING AIRLIFTED.					
CUPPORTING VICTORY VICTORY	PROBEING VICTORY	CUPPORTING VIGTORY			
DEPARTURE AIRFIELD:					
TYPE OF AIR (RAFT: Choose One V					
OTHER TYPE OF AIRCRAFT.					
AIRCRAFT SERIAL NUMBER:					
The second secon	The second of th				
AIRLIFT UNIT:					
DROP ZONE NAME/LOCATION:					
DATE OF AIRDROP (Example 10/31/2001):	Supporting Victors	SUPPORTING VIGTORS			
AIRCRAFT SPEED (KIAS):					
AIRCRAFT ALTITUDE (AGL):					
DROP ZONE ELEVATION (FEET/MSL):					
SURFACE WINDS (KTS):					
VISIBILITY (FEET/MILES):			<		
Done Done			Internet		











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Address a http://www.quartermaster.army.mil/adfsd/Databases/1748-2_staticline_m	alfunction_form.asp		Go Links »
1748-2 PERSONNEL STATIC LINE (ROUND)			
GEN	ERAL INFORMATION		
Supporting Victors - Supporting Victors	SUPPORTING VICTORY	CANADATING AIGLOAG	CARPONTING VICTOR
TO: QUARTERMASTER CENTER AND SCHOOL, AERIAL DELIVERY A	THE TOTAL STREET	NT, AIRDROP MANUALS AND MAL	FUNCTION OFFICE
UNIT ADDRESS Aerial Delivery and Field Services Dept 710 Adams A	ve, Ft. Lee, VA 23831		
BRANCH OF SERVICE: Army			
DINK LO			
E-MAIL ADDRESS (.mil): Phil.McKracken@us.army.mil	101010	SUPPORTING VICTOR	Supporting victor
TYPE OF REPORT: Malfunction			10 Jan
TYPE OF LOSS: Class C - Loss of 20,000 to 200,000 Dollars, Loss Tir	me Injury		
UNIT BEING AIRLIFTED: HHC, 262 QUARTERMASTER BN (ADFSD)	, FT. LEE, VA 23831		
DEPARTURE AIRFIELD: Little Rock AFB	SZEWYDATING VICIOUS		
TYPE OF AIRCRAFT: C-130			
OTHER TYPE OF AIRCRAFT: N/A			
AIRCRAFT SERIAL NUMBER: 007	SUPPORTING VICTORS	CURPORTING VICTORY	
COND ATTO			
AIRLIFT UNIT: 62ND Airlift Squadron	The Late Company of the Company of t	Committee of the commit	
DATE OF AIRDROP (Example 10/31/2001): 01/20/2007	Supporting victors	Composition victors	Curron ting victor
AIRCRAFT SPEED (KIAS): 130	The second of th	The state of the later of the l	The manufacture of the second
AIRCRAFT ALTITUDE (AGL): 2500			
DROP ZONE ELEVATION (FEET/MSL): 1825			
DIGIT ZONE ELEVATION (FELT/MSL). 1965			
SURFACE WINDS (KTS): 9-12	Supporting victors	Supporting victors	Supporting victor
	EAL TOO		
VISIBILITY (FEET/MILES): Unlimited	April 1990		





AIRDROP MALFUNCTION STATIC LINE PERWSONNEL - Microsoft Internet Explorer	
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Address a http://www.quartermaster.army.mil/adfsd/Databases/1748-2_staticline_malfunction_form.asp	V 🔁 Go Links »
GENERAL PARACHUTE INFORMATION	
TYPE OF PARACHUTE: T-10D PORTING VIGTORS APPORTING VIGTORS	MS SUPPORTING VICTOR
OTHER TYPE OF PARACHUTE SPECIFY: N/A	
TYPE OF RESERVE: SLCP MIRPS V	
OTHER TYPE OF RESERVE: N/A	
RESERVE FUNCTIONED PROPERLY (explain in Description Suspect Malfunction block): YES	SUPPORTING VICTOR
MAIN PARACHUTE AGE: 4 Months	
MAIN PARACHUTE PLACED IN SERVICE: JUL 06	_
MAIN PARACHUTE DATE OF MANUFACTURE: MAY 06	TOPPORTING VICTOR
MAIN PARACHUTE REPACK DATE: SEP 06	
MAIN PARACHUTE SERIAL NUMBER: 1544	
MAIN PARACHUTE NUMBER OF JUMPS (ESTIMATE): Unknown	





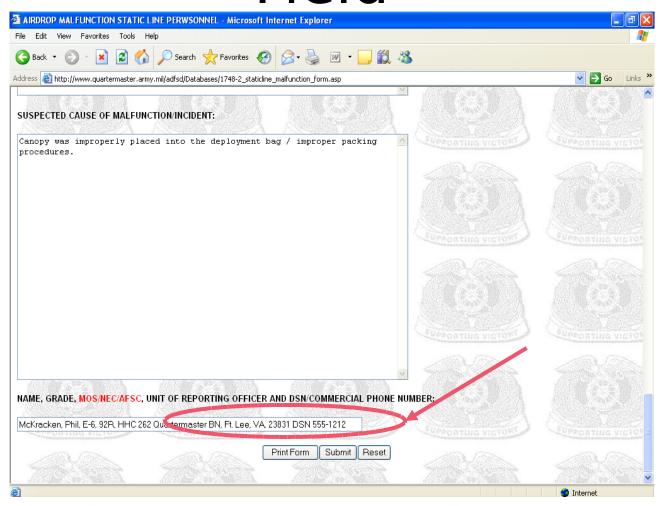


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ddress 🙆 http://www.quartermaster.army.mil/adfsd/Databases/1748-2_staticline_malfunction_form.asp	TEPPORTING VICTORS	✓ → Go Links
JUMPER INFORMATION		The state of the s
TYPE OF MALFUNCTION/INCIDENT: Holes in Canopy		
YPE OF MALFUNCTION/INCIDENT SPECIFY: Holes in Canopy	the production of the second	
UMPER'S NAME, GRADE, UNIT: Joe Snuffy, E-6, HHC 262 QM BN, FT LEE, VA 238131	GUEPORTHIQ VISTORS	
UMPER'S HEIGHT AND WEIGHT: 68", 185 lbs		3
JUMPER'S EQUIPMENT WEIGHT: 90 lbs		
JUMPER'S EQUIPMENT WORN: Alice Pack, M1950, LCE, M-4, MICH, Camel Back		
UMPER'S POSITION (PASS / STICK / POSITION): Pass 2/ Stick 2/ Jumper#41 (left door)		
IUMBER OF JUMPS JUMPER HAS: 71		
RESULTING INJURY:		
Jumper suffered fractures to his right leg (Tibia and Fibula).	CUPPORTING VICTORS	
Terpoating victor	TEPORTING VICTOR	
IUMPER'S POSITION (PASS / STICK / POSITION): Pass2/ Stick 2/ Jumper#21 (left door)		
NUMBER OF JUMPS JUMPER HAS: 71	Section Constitution	
RESULTING INJURY:		
Jumper suffered fractures to his right leg (Tibia and Fibula).	SUPPORTING VISTORY	
<u> </u>		
DESCRIPTION OF SUSPECTED MALFUNCTION/INCIDENT/DAMAGED INCURRED:		
A STAND ON THE STAND OF THE STAND ON THE STA		
Jumper exited without incident. Parachute opened and Jumper states he saw a hole in the canopy, compared his rate of decent, and decided to		
activate his reserve. Reserve deployed properly. Jumper landed on uneven terrain with feet apart resulting in the fractures. Upon		
inspection of parachute, gore 26, section 5 had a hole in the canopy.	SUPPORTING VICTORS	
The left and right radial seams were damaged (approximately 5 inches up from the lower lateral band) due to nylon to nylon contact that caused a		A 100 CO
small burn. The burn appears to be the originating point of the tear	The state of the s	
that produced a 20 inch hole located near the radial seam of gore 26. No purns or damage were found on any other parts of the parachute system.		
No damge was found on the jumpers equipment or uniform.		
	PORTING VICTOR	
		- FRA / 1780
·		
Dane	and and desirable cases to real analysis seems.	



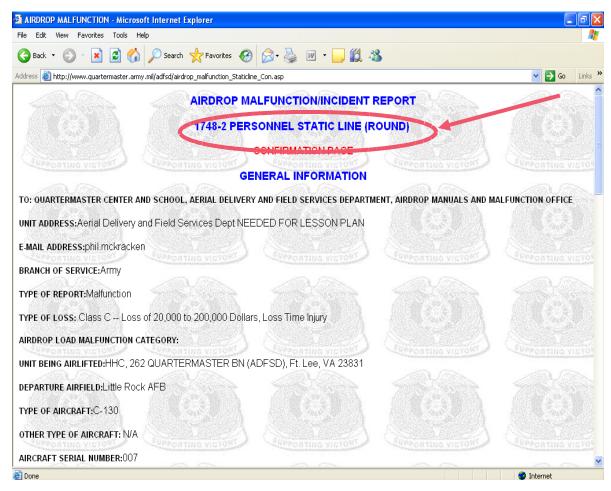








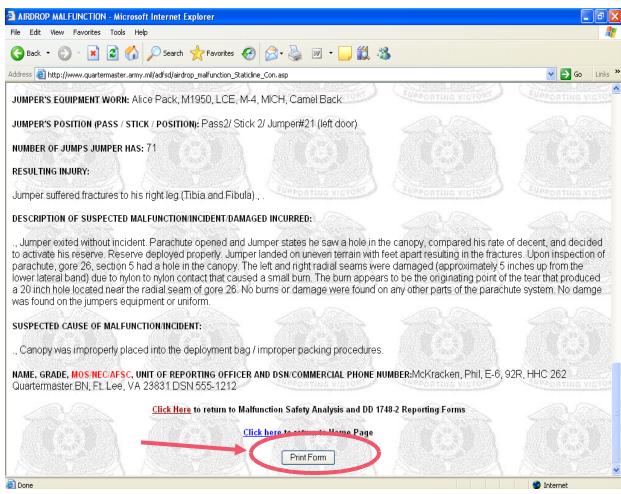
















Aerial Delivery and Field Services Department

Check on Learning







Question: What is the name and Number Dethe formented for reporting

Malfunctions to Ft. Lee?
DD Form 1748-2 (Airdrop Malfunction) Report)



Qualiterimaster Center & School

- Question: Whetris the timeline for a malfunction of the forther to Fort Lee for:
- A malfunction other than a fatality?
- -An initial report of a serious 5 workdays after the malfunction occurs
- Within 12 hours of the malfunction
- 10 calendar days after completion of the fatality investigation?





Summaryes

- Duties of Malfunctiphroffixer/NCO
 Procedures for Malfunction Investigation
 - No Serious Injuries
- Procedures for Malfunction Investigation
 - Serious Injury or Death
- Investigation of Low Velocity Airdrop Loads
- Reporting Procedures





Aerial Delivery and Field
Services
Department

Questions ?